

## CLAIMS

1. A transgenic animal into which a gene encoding a trans-synaptic tracer protein is introduced so as to direct specific expression in particular neurons.
2. The transgenic animal according to claim 1, wherein a promoter specific to the particular neurons is located upstream of the gene encoding the trans-synaptic tracer protein.
3. The transgenic animal according to claim 1 or 2, wherein the trans-synaptic tracer protein is wheat germ agglutinin.
4. A method for screening neuromimetic substances, which comprises:  
administering a test substance to the transgenic animal according to any one of claims 1 to 3; and  
selecting a neuromimetic substance from among the test substances by using as an indicator the trans-synaptic tracer protein expressed in neurons of the transgenic animal.
5. A neuromimetic substance obtainable by the screening method according to claim 4.